AMENDMENTS TO THE CLAIMS

Please cancel Claims 1, 5, 6, 10, 11, 15, 16, 20, 21, 25, and 26 without prejudice or disclaimer of the subject matter recited therein.

Please amend Claims 2-4, 7-9, 12-14, 17-19, and 22-24 as follows.

1. (Canceled)

2. (Currently Amended) ~~The~~ A data processing system ~~according to claim 1,~~ comprising:

data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,

coordinate system setting means to set a virtual reference point and virtual coordinate axes in the virtual space,

detecting means to detect a relative position and a gradient of said coordinate system setting means against a reference position in a real space,

position specifying means to specify virtual positions in the virtual space in accordance with the position data detected by said detecting means,

area selecting means to select a desired area in the virtual space in accordance with the virtual positions specified by said position specifying means, and

storing means to store an image of the desired area selected by said selecting means,

wherein said detecting means comprises a gyro-sensor.

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3. (Currently Amended) ~~The~~ A data processing system ~~according to claim 1,~~ comprising:

data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,

coordinate system setting means to set a virtual reference point and virtual coordinate axes in the virtual space,

detecting means to detect a relative position and a gradient of said coordinate system setting means against a reference position in a real space,

position specifying means to specify virtual positions in the virtual space in accordance with the position data detected by said detecting means,

area selecting means to select a desired area in the virtual space in accordance with the virtual positions specified by said position specifying means, and

storing means to store an image of the desired area selected by said selecting means,

wherein said detecting means comprises an optical gyro-sensor and a plurality of velocity sensors.

4. (Currently Amended) ~~The~~ A data processing system ~~according to claim 1,~~ comprising:

data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,

coordinate system setting means to set a virtual reference point and virtual coordinate axes in the virtual space,

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detecting means to detect a relative position and a gradient of said coordinate system

setting means against a reference position in a real space,

position specifying means to specify virtual positions in the virtual space in

accordance with the position data detected by said detecting means,

area selecting means to select a desired area in the virtual space in accordance with the

virtual positions specified by said position specifying means, and

storing means to store an image of the desired area selected by said selecting means,

wherein said detecting means comprises:

a laser light source,

a plurality of galvano-mirrors to distribute the laser light,

a plurality of prisms to reflect the distributed laser light,

a photo-detector to receive the light reflected by said plurality of prisms, and

angle detectors to detect respective moved angles of said plurality of galvano-

mirrors.

5. (Canceled)

6. (Cancelled)

7. (Currently Amended) ~~The~~ A printer ~~according to claim 6,~~

comprising:

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data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,

coordinate system setting means to set a virtual reference point and virtual coordinate axes in the virtual space,

detecting means to detect a relative position and a gradient of said coordinate system setting means against a reference position in a real space, and

printing means to print a desired area in the virtual space specified by the position data detected by said detecting means specified by the virtual reference point and coordinate axes,

wherein said detecting means comprises a gyro-sensor.

8. (Currently Amended) ~~The~~ A printer ~~according to claim 6,~~ comprising:

data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,

coordinate system setting means to set a virtual reference point and virtual coordinate axes in the virtual space,

detecting means to detect a relative position and a gradient of said coordinate system setting means against a reference position in a real space, and

printing means to print a desired area in the virtual space specified by the position data detected by said detecting means specified by the virtual reference point and coordinate axes,

wherein said detecting means comprises an optical gyro-sensor and a plurality of velocity sensors.

9. (Currently Amended) ~~The~~ A printer ~~according to claim 6,~~ comprising:

data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,

coordinate system setting means to set a virtual reference point and virtual coordinate axes in the virtual space,

detecting means to detect a relative position and a gradient of said coordinate system setting means against a reference position in a real space, and

printing means to print a desired area in the virtual space specified by the position data detected by said detecting means specified by the virtual reference point and coordinate axes,

wherein said detecting means comprises:

a laser light source,

a plurality of galvano-mirrors to distribute the laser light,

a plurality of prisms to reflect the distributed laser light,

a photo-detector to receive the light reflected by said plurality of prisms, and

angle detectors to detect respective moved angles of said plurality of galvano-mirrors.

10. (Canceled)

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11. (Canceled)

12. (Currently Amended) ~~The~~ An image recording system according ~~to claim 11,~~ comprising:

data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,

coordinate system setting means to set a virtual reference point and virtual coordinate axes in the virtual space,

detecting means to detect a relative position and a gradient of said coordinate system setting means against a reference position in a real space,

position specifying means to specify virtual positions in the virtual space in accordance with the position data detected by said detecting means,

area selecting means to select a desired area in the virtual space in accordance with the virtual positions specified by said position specifying means, and

printing means to print the selected desired area in the virtual space,

wherein a gyro-sensor is used in said detecting means.

13. (Currently Amended) ~~The~~ An image recording system ~~according to claim 11,~~ comprising:

data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,

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coordinate system setting means to set a virtual reference point and virtual coordinate axes in the virtual space,

detecting means to detect a relative position and a gradient of said coordinate system setting means against a reference position in a real space,

position specifying means to specify virtual positions in the virtual space in accordance with the position data detected by said detecting means,

area selecting means to select a desired area in the virtual space in accordance with the virtual positions specified by said position specifying means, and

printing means to print the selected desired area in the virtual space,

wherein an optical gyro-sensor and a plurality of velocity sensors are used in said detecting means.

14. (Currently Amended) ~~The~~ An image recording system ~~according to claim 11,~~ comprising:

data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,

coordinate system setting means to set a virtual reference point and virtual coordinate axes in the virtual space,

detecting means to detect a relative position and a gradient of said coordinate system setting means against a reference position in a real space,

position specifying means to specify virtual positions in the virtual space in accordance with the position data detected by said detecting means,

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area selecting means to select a desired area in the virtual space in accordance with the

virtual positions specified by said position specifying means, and

printing means to print the selected desired area in the virtual space,

wherein said detecting means comprises:

a laser light source,

a plurality of galvano-mirrors to distribute the laser light,

a plurality of prisms to reflect the distributed laser light,

a photo-detector to receive the light reflected by said plurality of prisms, and

angle detectors to detect respective moved angles of said plurality of galvano-

mirrors.

15. (Canceled)

16. (Cancelled)

17. (Currently Amended) ~~The~~ An image recording method ~~according to claim 16,~~

comprising steps of:

accumulating virtual space data as a set of 3-dimensional data specifying shape,

setting a coordinate system by setting a virtual reference point and virtual coordinate

axes in the virtual space,

detecting a relative position and a gradient of the coordinate system against a reference

position in a real space,

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specifying virtual positions in the virtual space in accordance with the position data detected in said detecting step,

selecting a desired area in the virtual space in accordance with the virtual positions specified in said position specifying step, and

printing the selected desired area in the virtual space,

wherein a gyro-sensor is used in said detecting step.

18. (Currently Amended) ~~The~~ An image recording method ~~according to claim 16,~~ comprising steps of:

accumulating virtual space data as a set of 3-dimensional data specifying shape,

setting a coordinate system by setting a virtual reference point and virtual coordinate axes in the virtual space,

detecting a relative position and a gradient of the coordinate system against a reference position in a real space,

specifying virtual positions in the virtual space in accordance with the position data detected in said detecting step,

selecting a desired area in the virtual space in accordance with the virtual positions specified in said position specifying step, and

printing the selected desired area in the virtual space,

wherein said detecting step is performed using an optical gyro-sensor and a plurality of velocity sensors.

19. (Currently Amended) ~~The~~ An image recording method ~~according to claim 16,~~ comprising steps of:

accumulating virtual space data as a set of 3-dimensional data specifying shape,

setting a coordinate system by setting a virtual reference point and virtual coordinate axes in the virtual space,

detecting a relative position and a gradient of the coordinate system against a reference position in a real space,

specifying virtual positions in the virtual space in accordance with the position data detected in said detecting step,

selecting a desired area in the virtual space in accordance with the virtual positions specified in said position specifying step, and

printing the selected desired area in the virtual space,

wherein said detecting step is performed using:

a laser light source,

a plurality of galvano-mirrors to distribute the laser light,

a plurality of prisms to reflect the distributed laser light,

a photo-detector to receive the light reflected by the plurality of prisms, and

angle detectors to detect respective moved angles of the plurality of galvano-mirrors.

20. (Canceled)

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21. (Canceled)

22. (Currently Amended) ~~The~~ A data processing system ~~according to claim 21,~~ comprising:

data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,

coordinate system setting means to set a virtual reference point and virtual coordinate axes in the virtual space,

virtual position detecting means to detect a relative position and a gradient of the coordinate system setting means against the virtual reference point,

moving means to move in the virtual space,

area selecting means to select a desired area in the virtual space in accordance with changed values caused by the moving action of said moving means detected by said virtual position detecting means, and

storing means to store an image of the desired area selected by said area selecting means,

wherein said moving means comprises:

a plurality of rollers,

a counting member to count a rotated amount of said plurality of rollers,

a controlling member to control a rotating velocity of said plurality of rollers,

a plurality of supporting members formed monolithically with said plurality of rollers to support a load,

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a measuring member to measure the load to said plurality of supporting members, and

a space adjuster to adjust a space between said plurality of rollers and said plurality of supporting members in accordance with the measured load value measured by said measuring member.

23. (Currently Amended) ~~The~~ A data processing system ~~according to claim 22,~~ comprising:

data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,

coordinate system setting means to set a virtual reference point and virtual coordinate axes in the virtual space,

virtual position detecting means to detect a relative position and a gradient of the coordinate system setting means against the virtual reference point,

moving means to move in the virtual space,

area selecting means to select a desired area in the virtual space in accordance with changed values caused by the moving action of said moving means detected by said virtual position detecting means, and

storing means to store an image of the desired area selected by said area selecting means,

wherein said moving means comprises a second measuring member to measure the space between said plurality of rollers and said plurality of supporting members.

24. (Currently Amended) ~~The~~ A data processing system ~~according to claim 21,~~ comprising:

data accumulating means to accumulate virtual space data as a set of 3-dimensional data specifying shape,

coordinate system setting means to set a virtual reference point and virtual coordinate axes in the virtual space,

virtual position detecting means to detect a relative position and a gradient of the coordinate system setting means against the virtual reference point,

moving means to move in the virtual space,

area selecting means to select a desired area in the virtual space in accordance with changed values caused by the moving action of said moving means detected by said virtual position detecting means, and

storing means to store an image of the desired area selected by said area selecting means,

wherein said moving means detects a position in the virtual space.

25. (Canceled)

26. (Canceled)